



SOUTHERN OPAL

LTR. 9. 11. 57



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Foundation

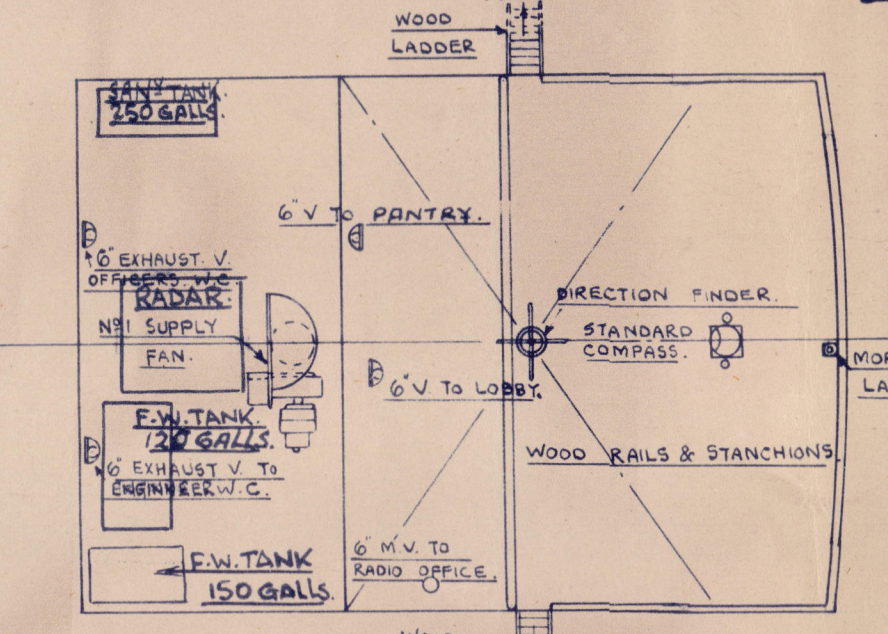
004177-004183-0108

S.S. SOUTHERN OPAL. GENERAL ARRANGEMENT.

SCALE: 1/8" = 1 FOOT.

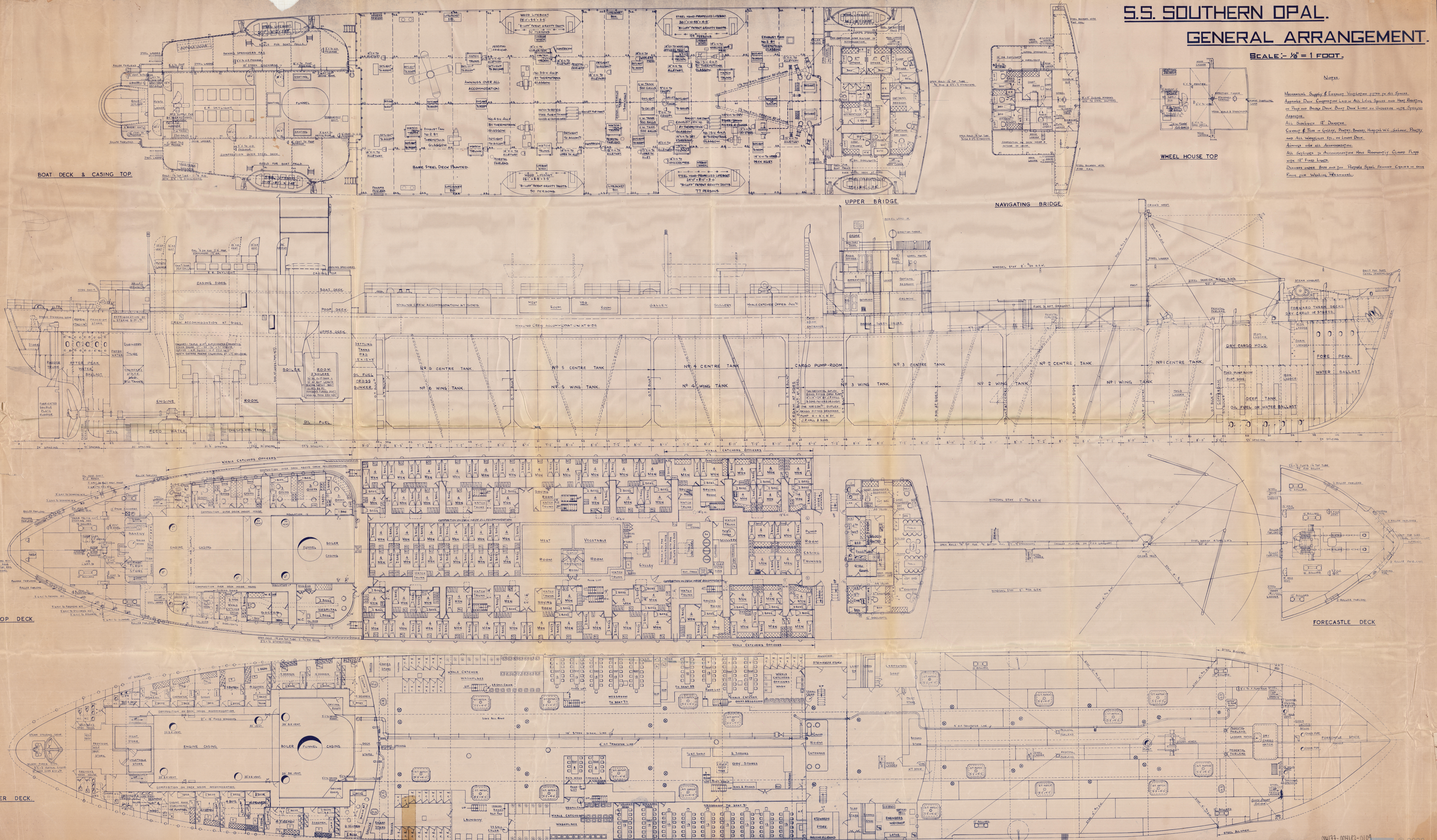
Notes.

Mechanical Supply & Exhaust Ventilation fitted in All Spaces.
Approved Deck Compressed Air in All Living Spaces and Heat Stowing in Pump and Barge Deck. Boat Deck Lined on Underdeck with Sprayed Asbestos.
All Stairways 18" Diameter.
Cover & Ties in Gallery, Pantry, Bakery, Hospital W.C., Saloon, Purser's and All Waples Etc. on Lower Deck.
All Skylights in Accommodation Have Removably Closed Flaps with 12" Fixed Lights.
Dunnage under Bids and Ties. Repetitive Steel Framed Chairs in each Room for Working Personnel.



WHEEL HOUSE TOP

BOAT DECK & CASING TOP



00477-00483-0109

27.

SIR JAMES LAING
+ SONS YRD NO 735
—

SOUTHERN OPAL
B.C

RETAIN
PROFILE + DKS
See attached

1949 & 1951

RECORDS DEPT.
LONDON.



004177-004183-0108

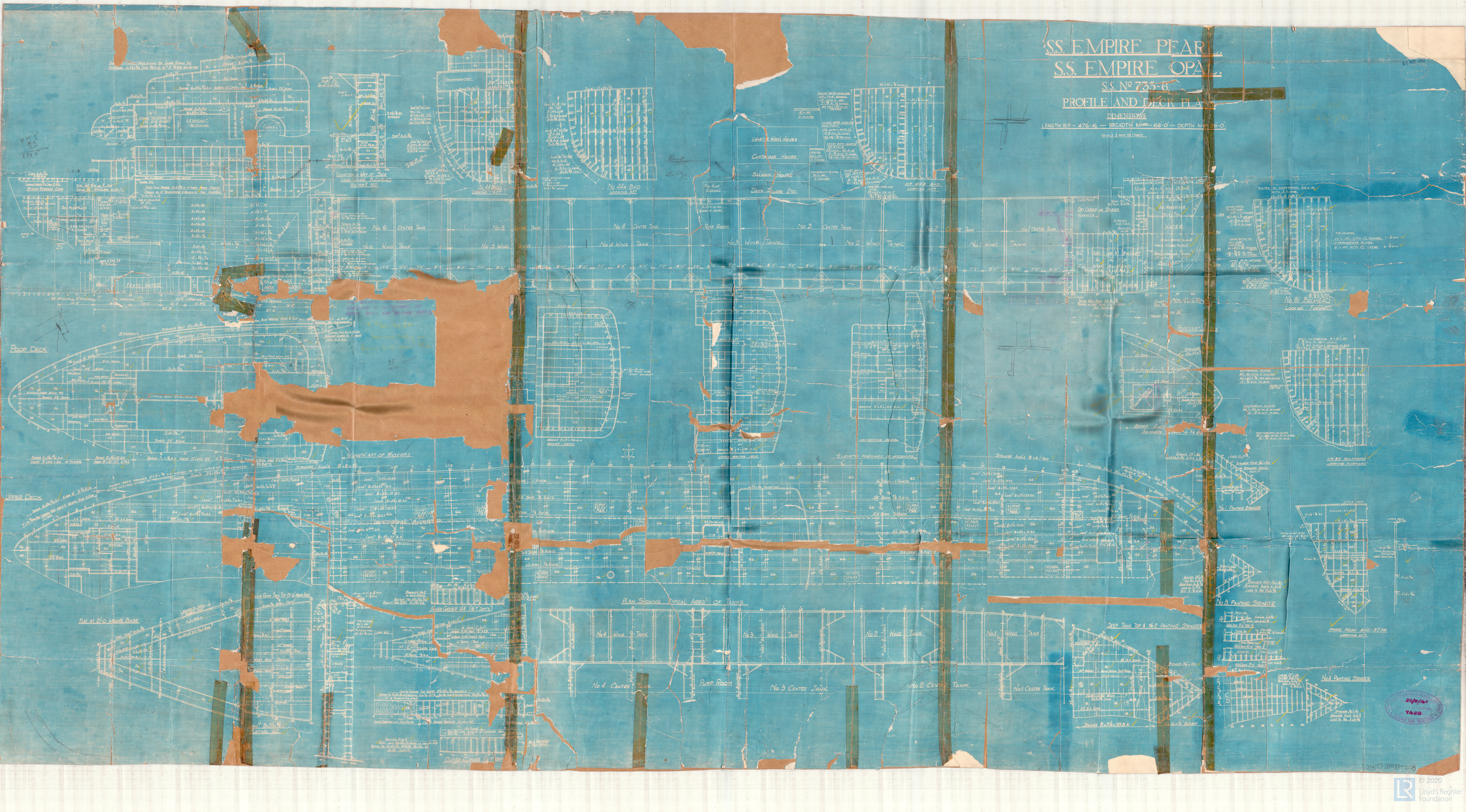


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SS. EMPIRE PEARL
SS. EMPIRE OPAL
S.S. No 735-6
PROFILE AND DECK PLAN

DIMENSIONS
LENGTH B.P. - 476'-4" - BREADTH M.M.D. - 68'-0" - DEPTH M.M. - 36'-0"
SCALE 1/4" = 1'-0"



10/11/41
9400

004/77 004/83-0108

26

TRANSFERRED TO
L. A. SYSTEM

Midship Section

Lieut. Jas. Laing & Sons

No. 736/7

WS 861

* EMPIRE OPAL

Now

"SOUTHERN OPAL"

EMPIRE PEARL

Now

"KOLLAGRIM"

~~Deleted~~ 1949 & 1951

Photostat copy of original plan mislaid
by Glasgow. See correspondence
dated 18/9/1952

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S.S. N^o 735-6 MIDSHIP SECTION

LENGTH B.P. 470'-4" BREADTH MLD: 68'-0" DEPTH MLD: 36'-0"

SCALE: 1" = 1 FOOT

TO BRITISH CORPORATION CLASSIFICATION B.S. * (BULK OIL CARRIER)

NUMERALS

STRENGTH OF 20 FOR 3.5 AT (STANDARD CURVE)
20.5 LOAD FACT (ASSUMING STANDARD SHEAR 0.7 FOR 4.5 AT)
DEPT. TO BE INDICATED WITH FULLY MARKED

STANDARD PLATE THICKNESS 87.52 FROM WITHIN
POOP 1/4" FOR 0.7 TO 4.4 AT ENDS
BUTTS QUINCEY 80% TO QUINCEY 100% IN ENDS
RIV. SPACED 4 DIA. IN QUINCEY 80% IN ENDS
4.5 IN QUINCEY 100%

DECK PLATE IN V-WAY OF DECK 1/4" THICKNESS
BEYOND 4.4 IN V-WAY 1/4" THICKNESS 4.4 IN V-WAY
10.5 DIA. THROUGH 10.5 DIA. THROUGH

POOP SIDE PLATING (0.30 SPACING)
STANDARD PLATE 1/4" (0.30 SPACING)
DECK PLATING 1/4" BEAMS EVERY 1/4" (0.30 SPACING)
FORECASTLE SIDE PLATING 1/4"
STANDARD PLATE 1/4" (0.30 SPACING)
DECK 1/4" BEAMS (0.30 SPACING)

K STRENGTH OF 20 FOR 3.5 AT (STANDARD CURVE)
20.5 LOAD FACT (ASSUMING STANDARD SHEAR 0.7 FOR 4.5 AT)
DEPT. TO BE INDICATED WITH FULLY MARKED

J STRENGTH OF 20 FOR 3.5 AT (STANDARD CURVE)
20.5 LOAD FACT (ASSUMING STANDARD SHEAR 0.7 FOR 4.5 AT)
DEPT. TO BE INDICATED WITH FULLY MARKED

H STRENGTH OF 20 FOR 3.5 AT (STANDARD CURVE)
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DEPT. TO BE INDICATED WITH FULLY MARKED

G STRENGTH OF 20 FOR 3.5 AT (STANDARD CURVE)
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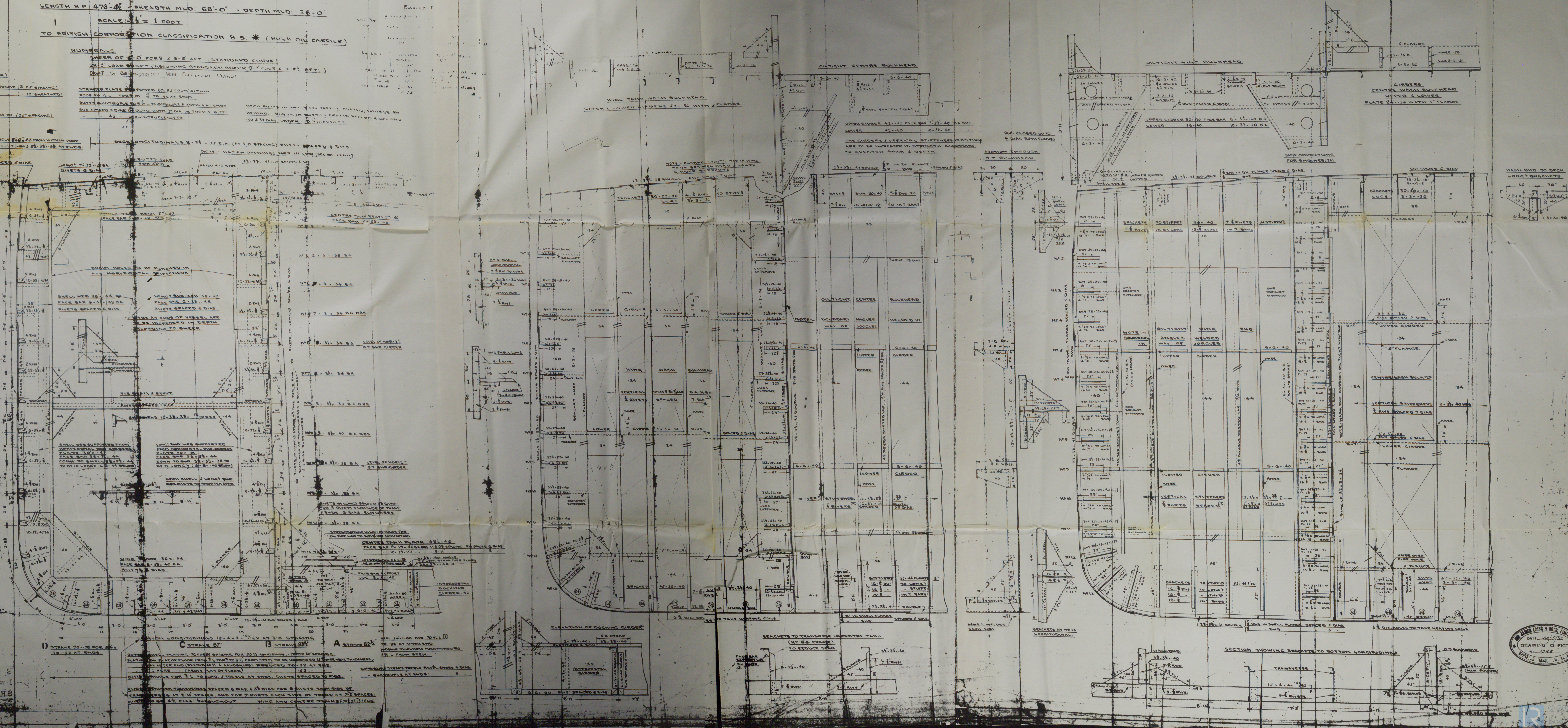
E STRENGTH OF 20 FOR 3.5 AT (STANDARD CURVE)
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D STRENGTH OF 20 FOR 3.5 AT (STANDARD CURVE)
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B STRENGTH OF 20 FOR 3.5 AT (STANDARD CURVE)
20.5 LOAD FACT (ASSUMING STANDARD SHEAR 0.7 FOR 4.5 AT)
DEPT. TO BE INDICATED WITH FULLY MARKED

A STRENGTH OF 20 FOR 3.5 AT (STANDARD CURVE)
20.5 LOAD FACT (ASSUMING STANDARD SHEAR 0.7 FOR 4.5 AT)
DEPT. TO BE INDICATED WITH FULLY MARKED



DAVID LANE & SONS, LIMITED
DRAWING OFFICE
10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

7

SEE N^o. 9

TRANSFERRED TO
L. A. SYSTEM

⁴
Fabricated Sternframe & Rudder

Sir Jaz Laing & Sons

Nos. 1735 / 6

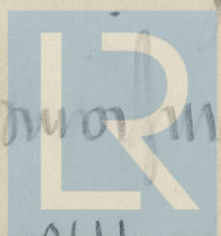
CANCELLED.

EMPIRE OPAL now SOUTHERN OPAL

" " PEARL now NORHEIM

now Kollgrim

James 1735/6



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Fabricated Sternframe & Rudder

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004177-004183-0111

12 JUN 1940

